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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-103. (Previously Cancelled)

104. (Previously Amended) A cleaning system for teeth, comprising:

a toothbrush having a cleaning surface, the toothbrush comprising a source of electromagnetic radiation configured to direct polychromatic electromagnetic radiation toward the cleaning surface, wherein the polychromatic electromagnetic radiation consists essentially of wavelengths from 300 to 750 nanometers, wherein an output configuration of the source of electromagnetic energy is relatively low such that electromagnetic radiation can be emitted toward the cleaning surface of the toothbrush during brushing to enhance cleaning of the teeth when used in combination with a dentifrice; and

a dentifrice comprising a photosensitive agent dispersed throughout the dentifrice, the dentifrice being adapted to be dispersed over a target surface and to transmit the polychromatic electromagnetic radiation, whereby during use a significant portion of the dispersed photosensitive agent over the target surface receives the polychromatic electromagnetic radiation, thus enabling the significant portion of the dispersed photosensitive agent to react.

105. (Previously Amended) The system of claim 211, wherein the whitening compound is a peroxy compound.

106. (Previously Added) The system of claim 104, wherein the dentifrice comprises about 1.5% peroxide.

107. (Previously Amended) The system of claim 211, wherein the whitening compound is hydrogen peroxide or carbamide peroxide.

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108. (Previously Added) The system of claim 104, wherein the source of electromagnetic radiation comprises a continuous wave source of electromagnetic radiation.

109. (Previously Added) The system of claim 104, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles toward the cleaning surface.

110. (Previously Amended) The system of claim 104, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around the bristles toward the cleaning surface

111. (Previously Added) The system of claim 104, wherein the dentifrice is a clear gel.

112. (Currently Amended) The system of claim 104, wherein the polychromatic electromagnetic radiation consists essentially of a band of spanning wavelengths from 300 to 750 nanometers.

113. (Cancelled)

114. (Currently Amended) The system of claim 212, wherein the dentifrice is aqueous and at least a portion of the one or more salt ~~compound~~ compounds is dissolved in the dentifrice.

115. (Previously Amended) The system of claim 183, wherein the dentifrice comprises about 1.5% peroxide.

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116. (Previously Amended) The system of claim 183, wherein the source of electromagnetic radiation comprises a continuous wave source of electromagnetic radiation.
117. (Previously Amended) The system of claim 183, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles toward the cleaning surface.
118. (Previously Amended) The system of claim 183, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around the bristles toward the cleaning surface.
119. (Previously Amended) The system of claim 183, wherein the dentifrice is a clear gel.
120. (Currently Amended) The system of claim 183, wherein the polychromatic electromagnetic radiation consists essentially of a band ~~of~~ spanning wavelengths from 300 to 750 nanometers.
121. (Currently Amended) A cleaning system for teeth, comprising:
a toothbrush having a cleaning surface and a source of electromagnetic radiation constructed to direct electromagnetic radiation toward the cleaning surface, wherein the electromagnetic radiation is at least substantially free of ultraviolet radiation; and
a dentifrice comprising a photosensitive agent, which is dispersed throughout the dentifrice and which is reactive to at least one wavelength of the electromagnetic radiation, wherein during use the dentifrice is dispersed over a target surface and the dentifrice has a transparency sufficient to transmit the electromagnetic radiation, whereby a significant portion of the dispersed photosensitive agent over the target surface receives the electromagnetic radiation during use of the system, thus enabling the significant portion of the dispersed photosensitive agent to react with the at least one wavelength of the

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electromagnetic radiation for impartation by the photosensitive agent of an effect on the teeth.

122. (Previously Amended) The system of claim 213, wherein the whitening compound is hydrogen peroxide or carbamide peroxide.

123. (Previously Amended) The system of claim 213, wherein the whitening compound is a peroxy compound.

124. (Previously Added) The system of claim 121, wherein the dentifrice comprises about 1.5% peroxide.

125. (Previously Added) The system of claim 121, wherein the source of electromagnetic radiation comprises a continuous wave source of electromagnetic radiation.

126. (Previously Added) The system of claim 121, wherein the source of electromagnetic radiation comprises a source of polychromatic electromagnetic radiation.

127. (Previously Added) The system of claim 126, wherein the source of polychromatic electromagnetic radiation comprises a light emitting diode.

128. (Previously Added) The system of claim 121, wherein the source of electromagnetic radiation comprises a source of monochromatic electromagnetic radiation.

129. (Previously Added) The system of claim 128, wherein the source of electromagnetic radiation comprises a continuous wave source of electromagnetic radiation.

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130. (Previously Added) The system of claim 128, wherein the source of monochromatic electromagnetic radiation comprises a light emitting diode.
131. (Previously Added) The system of claim 121, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles toward the cleaning surface.
132. (Currently Amended) The system of claim 121, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around, ~~rather than through,~~ the bristles toward the cleaning surface.
133. (Previously Added) The system of claim 121, wherein the dentifrice is a clear gel.
134. (Cancelled)
135. (Currently Amended) The system of claim 214, wherein the dentifrice is aqueous and at least a portion of the one or more salt compound compounds is dissolved in the dentifrice.
136. (Previously Amended) The system of claim 191, wherein the source of electromagnetic radiation comprises a continuous wave source of electromagnetic radiation.
137. (Previously Amended) The system of claim 191, wherein the source of electromagnetic radiation comprises a source of polychromatic electromagnetic radiation.
138. (Previously Added) The system of claim 137, wherein the source of polychromatic electromagnetic radiation comprises a light emitting diode.

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139. (Previously Amended) The system of claim 191, wherein the source of electromagnetic radiation comprises a source of monochromatic electromagnetic radiation.

140. (Previously Added) The system of claim 139, wherein the source of electromagnetic radiation comprises a continuous wave source of electromagnetic radiation.

141. (Previously Added) The system of claim 139, wherein the source of monochromatic electromagnetic radiation comprises a light emitting diode.

142. (Previously Amended) The system of claim 191, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles toward the cleaning surface.

143. (Previously Amended) The system of claim 191, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around the bristles toward the cleaning surface.

144. (Previously Amended) The system of claim 191, wherein the dentifrice is a clear gel.

145. (Previously Amended) The system of claim 191, wherein the dentifrice comprises about 1.5% peroxide.

146. (Currently Amended) A teeth cleaning system, comprising:

- a. a dentifrice comprising a photosensitive agent that reacts substantially only to electromagnetic radiation within a predetermined range wherein:
 - i. the photosensitive agent is dispersed throughout the dentifrice;
 - ii. the dentifrice is dispersed over a target surface during use of the system; and

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iii. the dentifrice has a transparency sufficient to transmit the electromagnetic radiation, whereby a significant portion of the dispersed photosensitive agent over the target surface receives the electromagnetic radiation during use of the system, thus enabling a reaction between the significant portion of the dispersed photosensitive agent to react and the electromagnetic radiation within the predetermined range to impart an effect on the teeth; and

b. a toothbrush having a cleaning surface, the toothbrush comprising ~~an LED~~ or a light emitting diode or other source of electromagnetic radiation constructed to direct electromagnetic radiation toward the cleaning surface, wherein the electromagnetic radiation is bound to wavelengths that are substantially within the predetermined range.

147. (Previously Amended) The system of claim 215, wherein the whitening compound is hydrogen peroxide or carbamide peroxide.

148. (Previously Amended) The system of claim 215, wherein the whitening compound is a peroxy compound.

149. (Previously Added) The system of claim 146, wherein the dentifrice comprises about 1.5% peroxide.

150. (Previously Added) The system of claim 146, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.

151. (Previously Added) The system of claim 146, wherein the electromagnetic radiation is polychromatic electromagnetic radiation.

152. (Previously Added) The system of claim 146, wherein electromagnetic radiation is monochromatic electromagnetic radiation.

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153. (Previously Added) The system of claim 152, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.
154. (Previously Added) The system of claim 153, wherein the monochromatic electromagnetic radiation is emitted from a light emitting diode.
155. (Previously Added) The system of claim 146, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles toward the cleaning surface.
156. (Currently Amended) The system of claim 146, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around, ~~rather than through,~~ the bristles toward the cleaning surface.
157. (Previously Added) The system of claim 146, wherein the dentifrice is a clear gel.
158. (Cancelled)
159. (Currently Amended) The system of claim 216, wherein the dentifrice is aqueous and at least a portion of the one or more salt compound compounds is dissolved in the dentifrice.
160. (Previously Amended) The system of claim 199, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.
161. (Previously Amended) The system of claim 199, wherein the electromagnetic radiation is polychromatic electromagnetic radiation.
162. (Previously Added) The system of claim 161, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.

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163. (Previously Amended) The system of claim 199, wherein the electromagnetic radiation is monochromatic electromagnetic radiation.
164. (Previously Amended) The system of claim 163, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.
165. (Previously Added) The system of claim 164, wherein the monochromatic electromagnetic radiation is emitted from a light emitting diode.
166. (Previously Amended) The system of claim 199, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles toward the cleaning surface.
167. (Currently Amended) The system of claim 199, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around, ~~rather than through,~~ the bristles toward the cleaning surface.
168. (Previously Amended) The system of claim 199, wherein the dentifrice is a clear gel.
169. (Previously Amended) The system of claim 199, wherein the dentifrice comprises about 1.5% peroxide.
170. (Currently Amended) A method, comprising:
- a. providing a dentifrice, wherein the dentifrice comprises a photosensitive agent that is reactive to at least one wavelength of electromagnetic radiation;
 - b. providing an electromagnetic radiation emitting toothbrush that is configured to emit the at least one wavelength of electromagnetic radiation;

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- c. placing the dentifrice into contact with a portion of the electromagnetic radiation emitting toothbrush; ~~and~~
- d. activating the electromagnetic radiation emitting toothbrush such that the electromagnetic radiation emitting toothbrush emits electromagnetic radiation of one or more wavelengths including the at least one wavelength and consisting essentially of non-ultraviolet radiation during brushing of teeth; ~~and~~
- e. the photosensitive agent reacting to the at least one wavelength of electromagnetic radiation to impart an effect on the teeth.

171. (Previously Added) The method of claim 170, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.

172. (Previously Added) The method of claim 170, wherein the electromagnetic radiation consists essentially of wavelengths within a range of 300 to 750 nanometers.

173. (Previously Added) The method of claim 170, wherein the electromagnetic radiation is polychromatic electromagnetic radiation.

174. (Previously Added) The method of claim 173, wherein the electromagnetic radiation consists essentially of a band of wavelengths from 300 to 750 nanometers.

175. (Previously Added) The method of claim 174, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.

176. (Currently Amended) The method of claim 170, wherein the electromagnetic radiation is monochromatic electromagnetic radiation.

177. (Previously Added) The method of claim 176, wherein the electromagnetic radiation is continuous-wave electromagnetic radiation.

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178. (Previously Added) The method of claim 176, wherein the monochromatic electromagnetic radiation is emitted from a light emitting diode.
179. (Previously Amended) The method of claim 170, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation through the bristles.
180. (Previously Amended) The method of claim 170, wherein the toothbrush comprises bristles and is constructed to direct electromagnetic radiation around the bristles.
181. (Previously Added) The method of claim 170, wherein the dentifrice is a clear gel.
182. (Previously Added) The system of claim 170, wherein the dentifrice comprises about 1.5% peroxide.
183. (Previously Added) The system of claim 104, wherein the dentifrice comprises an anti-caries agent.
184. (Previously Added) The system of claim 183, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the radiation throughout a thickness of the clear gel.
185. (Previously Added) The system of claim 183, wherein the anti-caries agent comprises fluoride.
186. (Previously Added) The system of claim 185, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the radiation throughout a thickness of the clear gel.

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187. (Cancelled)

188. (Cancelled)

189. (Cancelled)

190. (Cancelled)

191. (Previously Added) The system of claim 121, wherein the dentifrice comprises an anti-caries agent.

192. (Previously Added) The system of claim 191, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.

193. (Previously Added) The system of claim 191, wherein the anti-caries agent comprises fluoride.

194. (Previously Added) The system of claim 193, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.

195. (Cancelled)

196. (Cancelled)

197. (Cancelled)

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198. (Cancelled)

199. (Previously Added) The system of claim 146, wherein the dentifrice comprises an anti-caries agent.

200. (Previously Added) The system of claim 199, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.

201. (Previously Added) The system of claim 199, wherein the anti-caries agent comprises fluoride.

202. (Previously Added) The system of claim 201, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.

203. (Cancelled)

204. (Cancelled)

205. (Cancelled)

206. (Cancelled)

207. (Previously Added) The method of claim 170, wherein the dentifrice comprises an anti-caries agent.

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208. (Previously Added) The method of claim 207, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.
209. (Previously Added) The method of claim 207, wherein the anti-caries agent comprises fluoride.
210. (Previously Added) The method of claim 209, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.
211. (Previously Added) The system of claim 104, wherein the photosensitive agent comprises a whitening compound.
212. (Previously Added) The system of claim 104, wherein the photosensitive agent comprises one or more salt compounds.
213. (Currently Amended) The system of claim 121, wherein:
the photosensitive agent comprises a whitening compound; and
the effect is a whitening effect.
214. (Currently Amended) ~~The system of claim 121~~ A cleaning system for teeth,
comprising:
a toothbrush having a cleaning surface and a source of electromagnetic radiation
constructed to direct electromagnetic radiation toward the cleaning surface, wherein the
electromagnetic radiation is at least substantially free of ultraviolet radiation; and
a dentifrice comprising a photosensitive agent, which is dispersed throughout the
dentifrice, wherein during use the dentifrice is dispersed over a target surface and the

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dentifrice has a transparency sufficient to transmit the electromagnetic radiation, whereby a significant portion of the dispersed photosensitive agent over the target surface receives the electromagnetic radiation during use of the system, thus enabling the significant portion of the dispersed photosensitive agent to react, wherein the photosensitive agent comprises one or more salt compounds.

215. (Currently Amended) The system of claim 146, wherein:
the photosensitive agent comprises a whitening compound;
the effect is a whitening effect.

216. (Currently Amended) ~~The system of claim 146~~ A teeth cleaning system,
comprising:

a. a dentifrice comprising a photosensitive agent that reacts substantially only
to electromagnetic radiation within a predetermined range wherein:

i. the photosensitive agent is dispersed throughout the dentifrice;

ii. the dentifrice is dispersed over a target surface during use of the

system; and

iii. the dentifrice has a transparency sufficient to transmit the
electromagnetic radiation, whereby a significant portion of the dispersed photosensitive
agent over the target surface receives the electromagnetic radiation during use of the
system, thus enabling the significant portion of the dispersed photosensitive agent to react;
and

b. a toothbrush having a cleaning surface, the toothbrush comprising a light
emitting diode or other source of electromagnetic radiation constructed to direct
electromagnetic radiation toward the cleaning surface, wherein the electromagnetic
radiation is bound to wavelengths that are substantially within the predetermined range,
wherein the photosensitive agent comprises one or more salt compounds.

217. (Currently Amended) The method of claim 170, wherein:
the photosensitive agent comprises a whitening agent; and

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the effect is a whitening effect.

218. (Previously Added) The system of claim 183, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

219. (Previously Added) The system of claim 218, wherein the electromagnetic radiation reaches the anti-caries agent to produce an anti-caries effect.

220. (Previously Added) The system of claim 185, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

221. (Previously Added) The system of claim 220, wherein the electromagnetic radiation reaching the anti-caries agent produces an anti-caries effect.

222. (Previously Added) The system of claim 191, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

223. (Previously Added) The system of claim 222, wherein the electromagnetic radiation reaches the anti-caries agent to produce an anti-caries effect.

224. (Previously Added) The system of claim 193, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

225. (Previously Added) The system of claim 224, wherein the electromagnetic radiation reaching the anti-caries agent produces an anti-caries effect.

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226. (Previously Added) The system of claim 199, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

227. (Previously Added) The system of claim 226, wherein the electromagnetic radiation reaching the anti-caries agent produces an anti-caries effect.

228. (Previously Added) The system of claim 201, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

229. (Previously Added) The system of claim 228, wherein the electromagnetic radiation reaches the anti-caries agent to produce an anti-caries effect.

230. (Previously Added) The system of claim 207, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation to allow the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

231. (Previously Added) The system of claim 230, wherein the electromagnetic radiation reaching the anti-caries agent produces an anti-caries effect.

232. (Previously Added) The system of claim 209, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation to allow the electromagnetic radiation to reach the anti-caries agent throughout the clear gel.

233. (Previously Added) The system of claim 232, wherein the electromagnetic radiation reaching the anti-caries agent produces an anti-caries effect.

234. (New) A cleaning system for teeth, comprising:

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a toothbrush having a cleaning surface, the toothbrush comprising a source of electromagnetic radiation configured to direct electromagnetic radiation toward the cleaning surface, wherein an output configuration of the source of electromagnetic energy is relatively low such that electromagnetic radiation can be emitted toward the cleaning surface of the toothbrush during brushing to enhance cleaning of the teeth when used in combination with a dentifrice; and

a dentifrice comprising a photosensitive agent dispersed throughout the dentifrice, the dentifrice being adapted to be dispersed at a thickness over the teeth and to maximize a transmission of the electromagnetic radiation therethrough, whereby during use an interaction of a significant portion of the dispersed photosensitive agent with the electromagnetic radiation; is maximized throughout the thickness thus enabling the significant portion of the dispersed photosensitive agent to react.

235. (New) The cleaning system of claim 234, wherein the photosensitive agent comprises a whitening compound.

236. (New) The cleaning system of claim 235, wherein the whitening compound is a peroxy compound.

237. (New) The cleaning system of claim 235, wherein the whitening compound is hydrogen peroxide or carbamide peroxide.

238. (New) The cleaning system of claim 235, wherein the photosensitive agent comprises a whitening compound that imparts a whitening or an enhanced whitening effect onto the teeth upon receipt of the electromagnetic radiation.

239. (New) The cleaning system of claim 234, wherein the dentifrice comprises an anti-caries agent.

240. (New) The cleaning system of claim 239, wherein the electromagnetic radiation

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reaches the anti-carries agent to produce an anti-carries effect.

241. (New) The cleaning system of claim 239, wherein the anti-carries agent comprises fluoride.

242. (New) The cleaning system of claim 234, wherein the photosensitive agent comprises one or more salt compounds.

243. (New) The cleaning system of claim 234, wherein the dentifrice is a clear gel.

244. (New) The cleaning system of claim 243, wherein the dentifrice comprises clear abrasive particles.

245. (New) The cleaning system of claim 234, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.

246. (New) The cleaning system of claim 234, wherein the dentifrice comprises a clear gel that allows the electromagnetic radiation to reach the photosensitive agent throughout the clear gel.

247. (New) The cleaning system of claim 234, wherein the dentifrice comprises clear abrasive particles.

248. (New) The cleaning system of claim 234, wherein the electromagnetic radiation comprises polychromatic electromagnetic radiation.

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249. (New) The cleaning system of claim 248, wherein the polychromatic electromagnetic radiation consists essentially of a band of wavelengths from 300 to 750 nanometers.
250. (New) A cleaning system for teeth, comprising:
a toothbrush having a cleaning surface and a source of electromagnetic radiation constructed to direct electromagnetic radiation toward the cleaning surface; and
a dentifrice comprising a clear gel and a photosensitive agent, wherein the dentifrice is adapted to be dispersed over a target surface during use and the dentifrice has a transparency sufficient to transmit the electromagnetic radiation throughout a thickness of the dispersed dentifrice so that a significant portion of the photosensitive agent over the target surface receives the electromagnetic radiation during use of the cleaning system, thus enabling the significant portion of the dispersed photosensitive agent to react.
251. (New) The cleaning system of claim 250, wherein the dentifrice comprises an anti-caries agent.
252. (New) The cleaning system of claim 251, wherein the anti-caries agent comprises fluoride.
253. (New) The cleaning system of claim 250, wherein the clear gel maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the clear gel with the electromagnetic radiation throughout a thickness of the clear gel.
254. (New) The cleaning system of claim 250, wherein the photosensitive agent comprises a whitening compound.
255. (New) The cleaning system of claim 254, wherein the whitening compound is hydrogen peroxide or carbamide peroxide.

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256. (New) The cleaning system of claim 254, wherein the whitening compound is a peroxy compound.

257. (New) The cleaning system of claim 250, wherein the source of electromagnetic radiation comprises a source of polychromatic electromagnetic radiation.

258. (New) The cleaning system of claim 257, wherein the electromagnetic radiation consists essentially of a band of wavelengths from 300 to 750 nanometers.

259. (New) The cleaning system of claim 257, wherein the source of polychromatic electromagnetic radiation comprises a light emitting diode.

260. (New) The cleaning system of claim 250, wherein the source of electromagnetic radiation comprises a source of monochromatic electromagnetic radiation.

261. (New) The cleaning system of claim 260, wherein the source of monochromatic electromagnetic radiation comprises a light emitting diode.

262. (New) The cleaning system of claim 250, wherein the dentifrice comprises clear abrasive particles.

263. (New) A cleaning system for teeth, comprising:

a toothbrush having a cleaning surface and a source of electromagnetic radiation constructed to direct electromagnetic radiation toward the cleaning surface; and

a dentifrice comprising a whitening photosensitive agent, the dentifrice being constructed to transmit the electromagnetic radiation through the dentifrice to cause a significant portion of the whitening photosensitive agent to receive the electromagnetic radiation during use of the cleaning system and impart a whitening or an enhanced whitening effect onto the teeth.

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264. (New) The cleaning system of claim 263, wherein the dentifrice comprises an anti-caries agent.

265. (New) The cleaning system of claim 264, wherein the anti-caries agent comprises fluoride.

266. (New) The cleaning system of claim 263, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough and maximizes an interaction of the whitening photosensitive agent with the electromagnetic radiation throughout a thickness of the clear gel.

267. (New) The cleaning system of claim 266, wherein the dentifrice comprises clear abrasive particles.

268. (New) The cleaning system of claim 266, wherein the whitening photosensitive agent is hydrogen peroxide or carbamide peroxide.

269. (New) The cleaning system of claim 266, wherein the whitening photosensitive agent is a peroxy compound.

270. (New) The cleaning system of claim 266, wherein the source of electromagnetic radiation comprises a source of polychromatic electromagnetic radiation.

271. (New) The cleaning system of claim 263, wherein the source of polychromatic electromagnetic radiation comprises a light emitting diode.

272. (New) The cleaning system of claim 271, wherein the electromagnetic radiation consists essentially of a band of wavelengths from 300 to 750 nanometers.

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273. (New) The cleaning system of claim 263, wherein the dentifrice comprises clear abrasive particles.

274. (New) The cleaning system of claim 263, wherein the source of electromagnetic radiation comprises a source of monochromatic electromagnetic radiation.

275. (New) The cleaning system of claim 274, wherein the source of monochromatic electromagnetic radiation comprises a light emitting diode.

276. (New) A teeth cleaning system, comprising:

a. a transparent dentifrice comprising a photosensitive agent that reacts with electromagnetic radiation within a predetermined range wherein during use the photosensitive agent is dispersed within the transparent dentifrice disposed over a target surface and the transparent dentifrice transmits incident electromagnetic radiation whereby a significant portion of the dispersed photosensitive agent over the target surface receives the incident electromagnetic radiation so that the significant portion of the dispersed photosensitive agent reacts with the target surface; and

b. a toothbrush having a cleaning surface, the toothbrush comprising a light emitting diode or a source of electromagnetic radiation constructed to direct electromagnetic radiation as the incident electromagnetic radiation toward the cleaning surface.

277. (New) The teeth cleaning system of claim 276, wherein:

the transparent dentifrice comprises a dispersed photosensitive agent that reacts substantially only to incident electromagnetic radiation within a predetermined range of wavelengths; and

the incident electromagnetic radiation is bound to wavelengths that are substantially within the predetermined range.

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278. (New) The teeth cleaning system of claim 276, wherein the transparent dentifrice comprises a clear gel that allows the incident electromagnetic radiation to reach the dispersed photosensitive agent throughout the clear gel.
279. (New) The teeth cleaning system of claim 276, wherein the transparent dentifrice comprises an anti-caries agent.
280. (New) The teeth cleaning system of claim 279, wherein the incident electromagnetic radiation reaching the anti-caries agent produces an anti-caries effect.
281. (New) The teeth cleaning system of claim 276, wherein the transparent dentifrice comprises a clear gel that maximizes transmission of the incident electromagnetic radiation therethrough, to thereby maximize an interaction of the dispersed photosensitive agent with the incident electromagnetic radiation throughout a thickness of the clear gel.
282. (New) The teeth cleaning system of claim 276, wherein the transparent dentifrice comprises clear abrasive particles.
283. (New) The teeth cleaning system of claim 276, wherein the transparent dentifrice comprises fluoride.
284. (New) The teeth cleaning system of claim 283, wherein the transparent dentifrice comprises a clear gel that allows the incident electromagnetic radiation to reach the fluoride throughout the clear gel.
285. (New) The teeth cleaning system of claim 276, wherein the dispersed photosensitive agent comprises a whitening compound.
286. (New) The teeth cleaning system of claim 285, wherein the whitening compound is a peroxy compound.

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287. (New) The teeth cleaning system of claim 276, wherein the incident electromagnetic radiation is polychromatic electromagnetic radiation.

288. (New) The teeth cleaning system of claim 287, wherein the polychromatic electromagnetic radiation consists essentially of a band of wavelengths from 300 to 750 nanometers.

289. (New) The teeth cleaning system of claim 287, wherein the polychromatic electromagnetic radiation is emitted from a light emitting diode.

290. (New) The teeth cleaning system of claim 276, wherein incident electromagnetic radiation is monochromatic electromagnetic radiation.

291. (New) The teeth cleaning system of claim 290, wherein the monochromatic electromagnetic radiation is emitted from a light emitting diode.

292. (New) A method, comprising:

- a. providing a dentifrice, wherein the dentifrice comprises a cleaning or lightening photosensitive agent;
- b. providing an electromagnetic radiation emitting toothbrush;
- c. placing the dentifrice into contact with a portion of the electromagnetic radiation emitting toothbrush; and
- d. activating the electromagnetic radiation emitting toothbrush such that the electromagnetic radiation emitting toothbrush emits electromagnetic radiation wavelengths that cause the cleaning or lightening photosensitive agent to impart an effect on teeth during brushing.

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293. (New) The method of claim 292, wherein the electromagnetic radiation emitting toothbrush emits electromagnetic radiation wavelengths consisting essentially of non-ultraviolet radiation during brushing.

294. (New) The method of claim 292, wherein the dentifrice comprises an anti-caries agent.

295. (New) The method of claim 294, wherein the anti-caries agent comprises fluoride.

296. (New) The method of claim 294, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation to allow the electromagnetic radiation to reach the anti-caries agent throughout the clear gel and to produce an anti-caries effect.

297. (New) The method of claim 292, wherein the dentifrice comprises is clear component that operates to facilitate a maximal transmission of electromagnetic radiation through the dentifrice to allow the electromagnetic radiation to reach the cleaning or lightening photosensitive agent throughout the clear gel.

298. (New) The method of claim 292, wherein the dentifrice is a clear gel.

299. (New) The method of claim 298, wherein the dentifrice comprises clear abrasive particles.

300. (New) The method of claim 292, wherein the dentifrice comprises clear abrasive particles.

301. (New) The method of claim 292, wherein the dentifrice comprises a clear gel that maximizes transmission of electromagnetic radiation therethrough, to thereby maximize an interaction of the cleaning or lightening photosensitive agent with the electromagnetic radiation throughout a thickness of the clear gel.

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302. (New) The method of claim 292, wherein the electromagnetic radiation consists essentially of wavelengths within a range of 300 to 750 nanometers.

303. (New) The method of claim 292, wherein the electromagnetic radiation is polychromatic electromagnetic radiation.

304. (New) The method of claim 303, wherein the polychromatic electromagnetic radiation is emitted from a light emitting diode.

305. (New) The method of claim 303, wherein the electromagnetic radiation consists essentially of a band of wavelengths from 300 to 750 nanometers.

306. (New) The method of claim 292, wherein the electromagnetic radiation is monochromatic electromagnetic radiation.

307. (New) The method of claim 306, wherein the monochromatic electromagnetic radiation is emitted from a light emitting diode.